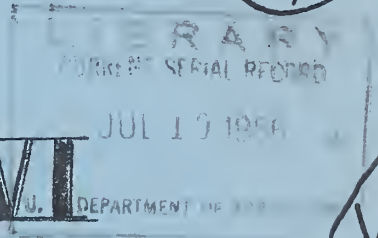


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

A241
I 7132
Cip. 2

UNITED STATES DEPARTMENT OF AGRICULTURE
Motion Picture Service, Office of Information
Washington, D. C.



VOLUME VI

A large circular graphic with a film reel texture. The text "TV FILM CLIP LIBRARY" is written in a bold, stylized font across the center. The "TV" is at the top, "FILM CLIP" is in the middle, and "LIBRARY" is at the bottom. The background of the circle has concentric lines and four triangular segments pointing towards the center.

TV FILM CLIP LIBRARY

MAY 1956

UNITED STATES DEPARTMENT OF AGRICULTURE
Motion Picture Service, Office of Information
Washington, D. C.

TV FILM CLIP LIBRARY

Volume VI
May 1956

The Motion Picture Service of the U. S. Department of Agriculture offers a stock scene library service to land-grant colleges and other organizations and individuals interested in using agricultural motion picture footage in the production of films and television programs. Lists of stock scenes available will be published as material is added to the library.

It is suggested that these lists be kept in a ready reference file. Further cataloging or cross-indexing will be at the discretion of the user. Scenes should be ordered by scene numbers and descriptions, and in the length indicated. Double-perforated film stock will be furnished by the Motion Picture Service unless otherwise specified.

A check or money order made out to the "Office of Information, USDA" must accompany each order. Formal purchase orders will be accepted from Federal and State Government agencies. Orders should be submitted in duplicate and will usually be processed within a maximum of 10 working days.

The following price schedule will be in effect until further notice. These prices are based on costs of printing, processing, packaging, and mailing:

Scenes:

16mm black-and-white prints \$ 0.10 per ft.
16mm black-and-white duplicating negative .. 0.25 per ft.
16mm color prints (made from original) 0.25 per ft.
MINIMUM ORDER \$ 5.00

If you have not already received Volumes I through V of the TV Film Clip Library, copies may be obtained by writing to the Motion Picture Service, U. S. Department of Agriculture, Washington 25, D. C.

Abbreviation Code

CU - Close-up	DV - Distant view
MCU - Medium close-up	DAV - Distant air view
ECU - Extra close-up	AV - Air view
MS - Medium shot	LS - Long shot
MLS - Medium long shot	ELS - Extra long shot
FG - Foreground	BG - Background

Miscellaneous Scenes - Wildlife

The following footage was supplied by the Forest Service of the U. S. Department of Agriculture:

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
<u>ANTELOPE</u>			
B1	CU	Antelope walks across frame - block of salt in BG	2½
B2	CU	Antelope grazing - walks out of picture	3
B3	CU	Antelope walks to camera - deer in BG	4
B4	MS	Antelope lifts head and stands still - side view - salt block in FG	3½
<u>BEARS</u>	(Scenes B5 through B18 are of same bears at same location)		
B5	CU	Bear - head in pine bough on ground - pan as he lifts head and looks around - side view	5½
B6	MCU	Bears (two) with backs to camera - one reaches for leaves on a tree which are close to the ground	5½
B7	MS	Bear standing - holds to tall stump	3½
B8	MCU	Bear climbs stump	4
B9	MCU	Bear sitting - gets up and stands against limb of tree	1½
B10	MCU	Bear sitting with head down eating	2
B11	MCU	Bears (two) - one walks out of frame to camera, the other walks from camera to BG	4
B12	CU	Bear - side view - standing - walks out of frame	2
B13	CU	Bear - head to camera - playing with twig, comes to camera	5
B14	CU	Bear playing on ground	3
B15	MCU	Bear - head down rooting in pine bough	3½

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B16	MS	Same as B15	4 $\frac{1}{2}$
B17	MS	Bears (two) - one walks out of picture, the other roots around in pine boughs	10
B18	MS	Bear rooting around in pine boughs	7
* * *			
B19	MLS	Bear climbing tree	2
B20	MLS	Three bears climbing same tree as above	3 $\frac{1}{2}$
B21	MCU	Two bears climb higher in same tree as above	2
B22	MCU	Same as B21	2
B23	MCU	Bears in same tree as above - look down	3 $\frac{1}{2}$
B24	LS	Bear walking on snow - from right to left across frame - forest in BG	9
B25	MCU	Same bear as in B24	1 $\frac{1}{2}$
B26	MCU	Bear in aspen tree against blue sky - bear backlighted	6
B27	MS	Same as B26	2
B28	MCU	Two bears in aspen tree - one climbs higher	6 $\frac{1}{2}$
B29	MCU	Same two bears as in B28 - they come down tree - one comes to the ground	11
B30	LS	Three bears in tree playing	7
B31	MLS	Same as B30	7
B32	MS	Same as B30	7
B33	MCU	Bear standing on tree root in stream drinking water	4

BEAVER

B34	LS	Beaver dam across stream	4
B35	MS	Same as above	2

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B36	MS	Beavers (two) in green grass	5

BUFFALOES

B37	LS	Buffaloes on range - pan to show herd - blue sky - few hills with scattered trees in BG	14
B38	MCU	Buffaloes on range - same as B37 - fewer animals	3
B39	LS	Buffaloes on range - Same as B37 - no pan	7
B40	MCU	Four buffaloes - one wallows in dirt	4½
B41	MCU	Three buffaloes eating grass - down shot	3½
B42	CU	Buffalo calf - face to camera - turns head	4
B43	MCU	Three buffaloes standing near pine trees - calf nursing mother	9
B44	MLS	Mother and calf - mother eating salt	5
B45	MCU	Mother and calf eating salt	5
B46		Same as above	4
B47		Same as above	5
B48	LS	Several buffaloes on range - blue sky - few trees in BG	6
B49	CU	Heads of mother and calf eating salt - side view	2½
B50	CU	Mother eating salt - turns head, calf comes into frame and eats	5
B51	MS	Buffalo eating salt - head to camera	4
B52	CU	Mother and calf at salt block	3
B53	LS	Mother and calf on range - blue sky	5
B54	MS	Mother and calf eating salt - up shot against sky	3
B55	MLS	Several buffaloes around salt block - few trees in BG - blue sky	10

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
<u>COYOTE</u>	(All same location)		
B56	CU	Coyote walks around in opening at edge of forest - pine boughs and log on ground - down shot (appears to be trapped)	5
B57	CU	Same as B56	3
B58	CU	Same as above - chews on pine bough	5
B59	CU	Same as above	3½
B60	CU	Same as B56	5½
B61	MCU	Same as above - coyote plays with bough	6½
B62	CU	Same as B56	3
B63	CU	Coyote walks around	6
B64	ECU	Head of coyote - moves around	6
B65	ECU	Same as B64	5
B66	ECU	Same as B64	4
B67	MS	Coyote moves around	9
B68	MS	Coyote - same as B67	3
B69	MS	Same as B67 - walks out of picture	4
B70	MS	Same as B67 - moves slightly - side view	7½
<u>DEER</u>			
B71	LS	Silhouette of deer in grove - backlighted	3½
B72	LS	Same as B71 - deer looks scared	3
B73	LS	Three deer move across frame - blue lake in BG - limbs of trees frame picture	4
B74	LS	Mule deer walking in meadow, tail up	3½
B75	LS	Same as B74	5½
B76	MS	Same deer as B75 - stands and looks around	3½

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B77	CU	Same deer as B75 - eating grass - raises head out of frame - side view	3
B78	CU	Same as B77 - looks away from camera	5
B79	LS	One deer silhouetted in grove - does not move	3
B80	LS	Two deer drinking from small lake in FG - range in BG	13½
B81	MS	Five mule deer walk across frame - one turns and looks at camera - up shot against blue sky	3½
B82	CU	Fawn twins - backs to camera - turn slightly - green BG with small trees	3
B83	CU	Fawn nibbles on leaves - another at side of frame	7½
B84	CU	Same as B83	5½
B85	CU	Same as B84 - fawn plays around	10
B86	CU	Same as above	7½
B87	CU	Fawn raises head and looks around - another fawn in BG	5
B88	CU	Fawn - head up, looks around - side view	2
B89	MS	Buck deer in the velvet on range - walks to camera	2½
B90	MS	Same as above - turns head	3
B91	MCU	Buck walks to camera, jumps back - another buck enters picture - they start fighting	7
B92	MCU	Spike buck (in the velvet) - side view, head to camera - aspen grove in BG	2½
B93	CU	Male deer eating grass	2
B94	LS	Two deer on range - aspen trees in BG	2
B95	LS	Same as above (three deer)	4
B96	MCU	Spike buck grazing	3½

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B97	MS	Spike buck walks across frame - right to left - aspen grove in BG	3½
B98	MS	Four deer in aspen grove eating grass - they appear to be frightened	4½
B99	MS	Same as above	4
B100	MS	Same as above	4
B101	CU	Deer - side view - looking at camera - starts to graze	2½
B102	LS	Two fawns in aspen grove	3
B103	LS	Two fawns in aspen grove eating grass - side view	6
B104	MCU	Spike buck in aspen grove	3
B105	MCU	Two deer in aspen grove	2½
B106	ECU	Head of fawn - front view	3
B107	ECU	Same as above - side view	2
B108	MS	Deer on range - walks across frame - stops and looks at camera	7
B109	LS	Deer in picnic area - walks across frame to pond and drinks - couple of quick pans	18
B110	MS	Deer eating salt on range	5½
B111		Same as above	4½
B112		Same as above	4
B113		Same as above	2½
B114	MLS	Two fawns in aspen grove	4
B115	MLS	Same as above	3
B115a		Same as above	5

DUCKS

B116	MS	Mallard ducks (two) swim in muddy water	2
------	----	---	---

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B117	MS	Several mallard ducks swimming in blue water	6½
B118	MS	Two ducks swimming	6
B119	CU	Nest with six duck eggs	4
B120	LS	Duck and ducklings swimming in very blue water - action, right to left	5
B121	LS	Duck and ducklings swimming in lake - green grass in water and BG	4½
B122	LS	One duck swimming and fishing in blue shadowy water - down shot	9
B123	LS	Few ducks swimming and fishing in blue shadowy lake - black BG	13
B124	LS	Ducks swimming in a marshy lake - late evening shot	4
B125	ELS	Ducks (three or four) swimming in lake	2½
B126	LS	Same as above	2½
B127	MS	Ducks swimming (only a few)	10
B128	MS	Four ducks swimming in lake - down shot	9
B129	LS	Ducks swimming in lake - down shot - pan	7
B130	MS	Same as above	5
B131	MS	Same as above	2½
B132	MS	Same as above	3
B133	MS	Ducks feeding on lake - down shot	6
B134	MS	Mother duck and duckling feeding on lake	5
<u>EAGLE</u>			
B135	CU	Eagle, side view, against dark tree trunk	2½
B136	CU	Same as above - looks around - bird blends with tree	2

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B137	CU	Same as B136	5
B138	CU	Same as B136	5
<u>ELK</u>			
B139	LS	Elk herd on winter range - bare mountains in BG, trees at base of mountains	4½
B140	MS	Elk herd on winter range - mountains in BG covered with snow	5
B141	CU	Three elk in FG - herd in extreme BG - snow covers area	1½
B142	MS	Elk herd huddles close together on winter range - snow on ground, dark brown mountains go almost straight up in BG	8
B143	CU	Elk - side rear view - grazing, walks away from camera - backlighted, slightly down shot	2½
B144	CU	Same elk as in B143 continues to walk across range	1½
B145	MLS	Elk continues to walk across range - walks out of frame	5
B146	CU	Elk grazing on range - side view	5
B147	CU	Elk head shot - grazing	4
B148	MS	Elk walks to camera	2½
B149	MS	Baby elk on ground - early spring	2½
B150	MS	Baby elk standing in shadow - turns head to camera, then lowers it	3
B151	MS	Same elk as in B150 - stands and looks around - could cut with B150	3

CANADA GEESE

B152	MCU	Canada geese in marshy lake (four) - mesh wire in BG against brown grass	6½
B153	MCU	Same as above	6
B154	CU	Head of duckling - faces camera	3

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
<u>GROUSE</u>			
B155	MS	Ruffed grouse - head protruding from brush	4
B156	MS	Grouse walks around in opening in brush - tail has feathers missing - same grouse and location as above	4
B157	MS	Two grouse walk around in same location as above	5
<u>LYNX</u>			
B158	MS	Lynx stretched out on limb of tree - backlighted against blue sky	4
B159	MLS	Lynx climbs to top of tree - blue sky	10
B160	MCU	Lynx in Scene B159 - looks down	4 $\frac{1}{2}$
B161	MCU	Same as B160	4
B162	MCU	Same as B160	2
B163	MCU	Same as B160	2
B164	MS	Lynx (same as above) comes down tree	4
B165	MS	Same as B164	6
B166	LS	Same as above - backlighted - blue sky	4
B167	LS	Same as above	4
B168	LS	Same lynx climbs tree branches, stops and looks around - backlighted - blue sky	8
<u>MOOSE</u>			
B169	LS	Moose stands in small blue pond - trees and vegetation in BG	4
B170	MS	Moose runs out of vegetation across frame - stops behind with only head showing - dark BG	2 $\frac{1}{2}$
B171	LS	Moose standing on slope - blue water in BG	3

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
<u>OTTER</u>			
B172	MCU	Otter swimming around in clear water - limb with leaves in water - down shot	2½
B173	MCU	Three otters swimming in clear water - down shot	3
B174	MCU	Two otters playing in clear water	5
B175	CU	Three otters playing - diffused BG of leaves and limbs	5
B176	MCU	Series of several shots of otters (two or three) playing in water - down shot	20
<u>OWLS (Mesh wire in BG only partially visible)</u>			
B177	CU	Two owls sitting on limb of tree	4
B178	CU	Same as above - owls look around	5
B179	CU	Same as above	4
B180	MS	Same as above	7
B181	CU	Same as above	2½
<u>PHEASANTS</u>			
B182	MCU	Young ringneck pheasant on nest - another nearby walks out of frame	4
B183	CU	Ringneck pheasant walks across frame slowly - goes left to right	4
B184	CU	Same as B183 - pheasant walks in the other direction	6
<u>PRAIRIE CHICKENS</u>			
B185	CU	Five young prairie chicks in nest - one runs out of picture	4
<u>QUAIL</u>			
B186	MS	Quail in open field - down shot with back to camera - turns head	2
B187	CU	Down shot of quail walking in open field - runs out of picture	3

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
<u>RACCOON</u>			
B188	MCU	Raccoon sitting in fork of large tree - blue sky	6
B189	CU	Same as B188	5½
B190	LS	Raccoon stands in tree	3
B191	LS	Raccoon sitting in fork of tree	6
B192	CU	Raccoon sitting in fork of tree gnawing on wood	3
B193	CU	Same as B192	4
B194	CU	Same as above - has mouth open but not chewing	7
B195	MS	Raccoon - series of several short scenes of coon sitting in tree chewing on wood	14
B196	MCU	Raccoon sitting in fork of tree - side view	4
<u>RATTLESNAKE</u>			
B197	CU	Rattlesnake coiled - marked by rapid pulsation of tongue (diamondback)	7
<u>MOUNTAIN SHEEP</u>			
B198	MCU	Mountain sheep looking at camera, wiggles ears - green BG	3½
B199	MS	Mother and two lambs walk across frame - pan slightly as they walk - green grass and lower parts of trees in BG	6
<u>SQUIRREL</u>			
B200	ELS	Squirrel sitting in moss-covered oak - blue sky - tree predominates in picture	5
<u>TURKEY</u>			
B201	CU	Turkey gobbler and hens walk from left to right across field, pan - fall scene	6
B202	MS	Turkey hen on nest in green grass - raises head	8

Miscellaneous Scenes - Wildlife

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B203	MS	Same as B202	4
B204	MS	Same as B202	3
B205	MS	Turkey partially concealed in summertime foliage	2
B206	MS	Same as above	3
B207	MS	Flock of wild turkeys walking through fall foliage	1½
B208	CU	Same as B207	7½
B210	ECU	Strutting turkey faces camera, turns head, then again to camera	3
B211	ECU	Same as above	4

WEASEL

B212	MCU	Weasel partially out of burrow, comes all the way out and then out of picture - goes back into burrow and sticks out head	6
------	-----	---	---

WOOD DUCK

B213	MS	Wood duck perched on nesting tree - no movement	4½
B214	CU	Same as above	6
B215	CU	Same as above	3

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
Scenes B216 through B311 were made at the Plant Industry Station, Beltsville, Md.:			
B216	MS	SIGN - "USDA Plant Industry Station" - pan R to L showing the buildings - holds on center building - man cutting grass with sickle near sign	14
B217	MS	Same as B216	12
B218	MS	ADMINISTRATION BUILDING of USDA Plant Industry Station - car goes down driveway	7
B219	MS	Same as B218	13
B220	MLS	GREENHOUSES - Slightly down shot - slow pan R to L showing other greenhouses	7
B221	MLS	GREENHOUSES - High shot down on driveway - pan left along rows of greenhouses	21
B222	MS	GREENHOUSE, side view - Shrubbery around building - pan R to L showing several greenhouses - road on left	22
B223	MS	SOIL - Down shot on ground over which a drill has passed, leaving a pattern	4½
B224	MS	SEEDER, tractor-drawn - Comes from R to L across test plot - man walks behind equipment	9
B225	LS	Same as B224 - Seeder goes L to R and stops in center of plot	7
B226	LS	Same as B224 - Seeder continues across field L to R	7
B227	CU	SEEDER - Rear view, as it goes away from camera to LS - man walks behind to adjust equipment - trees in BG	20
B228	CU	DISEASED RED CLOVER in test plot - plants infected with anthracnose wilt - down shot	9
B229	CU	Same as B228 - Shows crooked stems and lesions - hand enters and cuts some diseased plants	10
B230	CU	DISEASED RED CLOVER in hand - Pencil points out crooks and lesions	10

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B231	ECU	Same as B230	4½
B232	ECU	Same as B230	6
B233	ECU	DISEASED RED CLOVER STEM - Pencil points out lesions	6
B234	ECU	Same as B233	6
B235	LS	RED CLOVER TEST PLOT - Down shot - pan right to older plots which are thinner - four men walk into plot	16
B236	LS	Same as B235	18
B237	MS	RED CLOVER TEST PLOTS - Down shot - shows variation of growth - four men walk into scene	14
B238	MS	Same as B237	15
B239	CU	RED CLOVER TEST PLOTS showing stakes - down shot	7
B240	CU	Same as B239 - stakes in FG - also shows great variation in growth	9
B241	MS	RED CLOVER TEST PLOT - Three men standing in field - one with spade digs a plant	7½
B242	CU	RED CLOVER PLANT held in hand - knife enters and splits root showing root rot - other hand picks up normal root for comparison	9
B243	CU	Similar to B242 - slightly different position	8
B244	CU	Same as B243 - Two roots held for comparison	6
B245	CU	RESEARCH TEST PLOT - Man opens back of truck - pan as he removes tools and walks to plot of ladino clover where Dr. Kermit W. Kreitlow, Research Pathologist of the Agricultural Research Service, is staking plants - man digs and pots two ladino clover plants	34

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B246	CU	LADINO CLOVER PLOT - Over shoulder shot of Dr. Kreitlow and helper placing clover plants in pots - they walk out of scene	7
B247	CU	LADINO CLOVER PLANTS (4) are placed on empty flat and lifted out of scene	9
B248	MLS	LADINO CLOVER PLOT - Dr. Kreitlow and helper walk into scene - helper picks up flat of potted plants and walks to rear of truck, places plants in truck and shuts door - truck has USDA license	9
B249	CU	TRUCK in Scene B248 goes out of scene	20
B250	MS	TRUCK shot from inside - Helper opens door, picks up flat, places it on cart and enters greenhouse	16
B251	MS	GREENHOUSE as helper goes away from camera into LS down hallway	16
B252	MLS	GREENHOUSE as man pushes cart of ladino clover down hallway	14
B253	CU	LADINO CLOVER LEAVES being crushed in mortar with pestle	14
B254	ECU	MORTAR - Hand enters scene and places several drops of water in mortar - leaves are crushed	10
B255	MCU	GREENHOUSE BENCH with potted ladino clover, bean plants, mortar, pestle and other tools - hands enter scene and place several drops of water in mortar and crush leaves	6
B256	CU	LADINO CLOVER PLANTS (2 pots) with plastic collars - hand enters and removes one collar	5
B257	CU	LADINO CLOVER CUTTINGS being made and potted - pan as the pot is placed on flat	14
B258	CU	LADINO CLOVER CUTTINGS in flat - Hand places eleventh and twelfth pots in flat	8
B259	ECU	Same as B258	10

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B260	CU	GREENHOUSE BENCH almost filled with potted ladino clover plants - pan left and tilt up past more potted plants as man waters same with sprinkling can	11
B261	CU	GREENHOUSE BENCH half filled with potted ladino clover plants - hand places another pot on gravel-filled bench	3
B262	MCU	GREENHOUSE BENCH filled with potted ladino clover and grass - hand watering plants	6
B263	MS	INTERIOR COLD ROOM filled with haze - Man, carrying flat of ladino clover plants, and Dr. Kreitlow walk to camera - door is closed	3
B264	MS	DR. KREITLOW AND HELPER come up stairs to camera and out of scene	8
B265	CU	DIAL on temperature humidity control device	8
B266	CU	DIAL - Timing device - cover is closed and then opened	8
B267	MLS	GREENHOUSE BENCH with several potted Birdsfoot Trefoil plants - Mr. Paul R. Henson, Research Agronomist of the Agricultural Research Service, enters and picks up one plant	13
B268	MS	BIRDSFOOT TREFOIL PLANT - Mr. Henson picks up potted plant from bench, then puts on magnifying spectacles	19
B269	MS	BIRDSFOOT TREFOIL PLANT - Mr. Henson picks up one potted plant and examines blossom	3
B270	MCU	BIRDSFOOT TREFOIL BLOSSOM in hand - petals are removed - record book and tags in BG	5
B271	MCU	BIRDSFOOT TREFOIL BLOSSOM - petals are removed with tweezers - continuation of Scene B270	12
B272	ECU	BIRDSFOOT TREFOIL BLOSSOM - pollen is removed with strip of emery paper for cross pollination	7

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B273	ECU	Same as B272	3
B274	ECU	Same as B272	8
B275	ECU	Same as B272	6
B276	MCU	POLLEN being put on emasculated blossom from emery board	7
B277	CU	MR. HENSON, wearing magnifying spectacles, records data in notebook - places book in pocket	3
B278	MLS	BIRDSFOOT TREFOIL PLANTS potted and staked on greenhouse bench - Mr. Henson enters, examines plants and clips seed pods	24
B279	MCU	MR. HENSON labeling envelope of seed - same location as B278	3
B280	CU	BIRDSFOOT TREFOIL PLANT showing cluster of three seed pods and red tag - hand enters and places seed pods and tag in envelope	9
B281	ECU	BIRDSFOOT TREFOIL SEED PODS	5
B282	MLS	GREENHOUSE BENCH showing rows of seedling plants in nutrient culture bench - seedling vigor test - tilt up to show fluorescent lights over bench	9
B283	MS	BIRDSFOOT TREFOIL AND ALSIKE CLOVER TEST PLOTS - Two men are examining plants in BG	4
B284	CU	YELLOW BIRDSFOOT TREFOIL BLOSSOM fills frame	7
B285	MS	ALFALFA PLANTS - Dr. Hugo O. Graumann, Research Agronomist of the Agricultural Research Service, ties potted alfalfa plants to stakes and examines blossoms	14
B286	CU	ALFALFA - Dr. Graumann places magnifying spectacles over eyes - he emasculates a purple alfalfa blossom and tags same	32
B287	CU	ALFALFA - Hands continue action in B286 - pluck yellow blossom from another plant with tweezers and remove petals	13

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B288	ECU	YELLOW ALFALFA BLOSSOM between fingers - tweezers enter and remove petals	5
B289	ECU	Same as B288	5
B290	ECU	Same as B288	5
B291	ECU	EMASCULATED PURPLE ALFALFA BLOSSOM as yellow alfalfa blossom is brought into frame and pollen transferred	6
B292	ECU	Same as B291 except tripping of blossom is very evident	7
B293	MCU	GREENHOUSE INTERIOR - Yellow blossoms of alfalfa plants in middle and left FG - Dr. Graumann walks into CU, removes seed pods and walks out of frame to right	10
B294	ECU	ALFALFA SEED PODS - cluster - scissors enters frame and clips pods	3½
B295	CU	ALFALFA SEEDLINGS in flat - hands enter, examine seedlings, open notebook and record data	9
B296	CU	Same as B295	11
B297	CU	ALFALFA BLOSSOMS - Yellow, purple, and a third which is the result of a cross between the yellow and purple	6
B298	CU	Same as B297	6
B299	CU	PURPLE ALFALFA BLOSSOM	6
B300	MS	THERMOMETER being hung in greenhouse by man	7
B301	CU	Same as B300	6
B302	MS	TALL FESCUE - Dr. Angus A. Hanson, Research Agronomist of the Agricultural Research Service, prepares tall fescue for mutual pollination - sacks are placed over heads of two plants (potted) - potted grass in BG	10
B303	CU	Dr. Hanson's face, up shot - Same action as B302	8

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B304	MS	TALL FESCUE - Bagged heads	3
B305	MS	Same as B304	2
B306	CU	TALL FESCUE with sacks over heads - Hand enters and taps one sack	4
B307	CU	Same as B306 except no action	3
B308	MS	Dr. Hanson sitting at table in greenhouse - plants seed in petri dish and makes notes	8
B309	ECU	PETRI DISH filled with moist soil - portion of envelope appears and grass seeds are dropped on soil	5
B310	ECU	PETRI DISH with grass seedlings	4
B311	CU	FLAT OF GRASS SEEDLINGS - Tilt up along bench where more flats can be seen - man watering with hose - rows are all staked	12

End of scenes taken at the Plant Industry Station

B312	MS	UNIVERSITY OF KENTUCKY at Lexington - Administration Building - "Agricultural Experiment Station" can be seen on front of building - people walk in and out of building - overcast sky	29
B313	MS	Same as B312 - Shot with sunshine	21
B314	MS	Same as B312 - Shot with sunshine	21
B315	CU	FACADE OF BUILDING showing name "Agricultural Experiment Station" - lighting same as B312	5
B316	CU	Same as B315 - Lighting matches B313 and B314	11
B317	CU	SIGN "Plant Breeding Unit" - Shot against light cloudy sky	4
B318	CU	SIGN "2 Miles Plant Breeding Unit, Department of Agriculture and Soils, Agricultural Experiment Station, Alabama Polytechnic Institute" - sign fills frame	6

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>	<u>Description</u>	<u>Footage</u>
Scenes B319 through B344 were made at the Agricultural Experiment Station, University of Wisconsin, Madison, Wis.:		
B319	LS TEST PLOTS showing a variety of crops at the University of Wisconsin Experiment Station - trees in extreme BG	11
B320	MS TEST PLOT OF ALFALFA - Man applying hormone spray from tank on a two-wheel push cart - two men in BG walk across frame	12
B321	MS Similar to B320 - without men in BG	7
B322	MLS TEST PLOT - Three men picking red clover blossoms in net-covered field. This is done to insure self-pollination	8
B323	MS Similar to B322	7
B324	MS RED CLOVER FIELD - Two men examining plants	4
B325	CU DISEASED RED CLOVER - Stem is split to show effect of root rot	3
B326	ECU DISEASED RED CLOVER - Same as B325 - root separated to show root rot - normal root held beside it for comparison	7
B327	CU RED CLOVER PLANTS held in hand - right, European - left, American, which is the hairy variety	5
B328	CU EUROPEAN RED CLOVER leaves damaged by leafhopper	5½
B329	CU AMERICAN RED CLOVER showing hairs which protect stems from leafhoppers	7
B330	CU AMERICAN RED CLOVER - Similar to B329	7
B331	CU DISEASED BROME GRASS (Helminthosporium)	6
B332	CU Same as B331 except disease more severe	5
B333	CU DISEASED ALFALFA LEAVES showing leaf spot	8
B334	CU Similar to B333	6

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B335	CU	ALFALFA TEST PLOT - Plants suffering from bacterial wilt - hands hold back healthy plants to reveal ones affected with wilt	2 $\frac{1}{2}$
B336	ECU	ALFALFA PLANT damaged by wilt	6
B337	ECU	Same as B336 - Wilt damage more severe	6
B338	CU	ALFALFA CLONAL NURSERY - Feet enter scene, hands check labels on plants	11
B339	MCU	ALFALFA TEST PLOT - Man checking medium size plants	2
B340	MS	SWEET CLOVER NURSERY - Stakes in FG - man with notebook checks plants and walks through plot	11
B341	MCU	Similar to B340 - Low angle shot	10
B342	MS	ALFALFA TEST PLOT - Shows extreme contrast in growth of plants - man wearing sun helmet and carrying clipboard walks across frame checking plants	8 $\frac{1}{2}$
B343	MLS	BROME GRASS NURSERY - Mature plants, several seed heads are sacked - man walks among and examines plants - buildings in BG	7
B344	MLS	Similar to B343 - Man walks into FG	6

End of scenes taken at the University of Wisconsin

Scenes B345 through B358 were made at the Northern Great Plains Experimental Station, Mandan, North Dakota:

B345	MCU	CRESTED WHEAT GRASS in test plot - Man kneeling beside stake at end of row in FG, examines plants and makes notes in record book	7
B346	CU	CRESTED WHEAT GRASS HEADS against blue card BG - Shows contrast between commercial on left and Mandan, the improved variety, on right	9

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B347	CU	CRESTED WHEAT GRASS SPIKELETS on dark BG - Commercial on left; Mandan, the improved variety with shorter awns, on right	8
B348	CU	CRESTED WHEAT GRASS SEED - Commercial on right; Mandan on left shows larger seeds which contribute to seedling vigor	9
B349	ECU	MANDAN CRESTED WHEAT GRASS SEED	6
B350	MCU	HEADS OF COMMERCIAL CRESTED WHEAT GRASS waving in breeze - Down shot	9
B351	CU	Same as B350	9
B352	MS	RUSSIAN WILD RYE GRASS - Stake and label in FG - wind blowing grass - down shot	10
B353	MS	RUSSIAN WILD RYE GRASS - Strain Mandan 2355 - wind blowing grass - stake and label in FG	8
B354	MS	RUSSIAN WILD RYE GRASS - Stake and label in FG - wind blowing grass	6
B355	MS	CRESTED WHEAT GRASS planted in rows go away from camera - down shot - Mandan 571	6
B356	CU	CRESTED WHEAT GRASS SEEDLINGS - Mandan 571, three months' growth - shows seedling vigor - slight wind movement - blue sky	7
B357	MS	CRESTED WHEAT GRASS in plot - Shot down rows	4
B358	CU	RUSSIAN WILD RYE SEED HEADS held against palm of hand	5½
End of scenes made at Mandan, North Dakota			
B359	LS	RANIER FESCUE VARIETY NURSERY - Two men in plot - one stoops to check plants, other makes notes	4
B360	CU	Same as B359	8

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B361	LS	RANIER FESCUE - Large field - one man with board on tripod makes notes - another walks along rows evaluating plants - large row markers in BG	14
B362	MCU	Same as B361	14
B363	MS	ALFALFA TEST PLOT showing stakes and labels - Two men walk through plot - white barn in BG	16
B364	MS	ALFALFA TEST PLOTS - Two men inspecting plants	16
B365	MCU	ALFALFA TEST PLOT showing stake and label "Vernal" - Man walks into frame, stoops and examines plant, then walks through scene	11
B366	MCU	Similar to B365 - Sign reads "Grimms"	15
B367	CU	Similar to B365 - Sign reads "Ranger"	5
B368	MS	SIGNS - "Ranger," "Grimms," and "Vernal"	9
B369	MLS	ALFALFA TEST PLOT - Shot across field to show sign "Rhizoma" - pan right past other labeled stakes, "Ranger," "Rhizoma," "Narragansett," "Vernal"	16
B370	MS	ALFALFA TEST PLOT showing same stakes as in B369	10
B371	CU	ALFALFA TEST PLOT - Labeled stake in FG "Ranger"	4
B372	CU	Same as B371 - Label reads "Narragansett"	3
B373	CU	Same as B371 - Label reads "Vernal"	11
B374	MLS	ALFALFA TEST PLOT - Tractor-drawn forage chopper passing along road in BG - stake labeled "Rhizoma" in FG, pan past other stakes - hold on truck as it passes	9
B375	MS	ALFALFA PLOT showing labeled stakes - Pan right past other stakes labeled "Ranger," "Narragansett," and "Vernal"	16

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B376	MS	WHITE CLOVER TEST PLOT in blossom - Electric lights on low posts throughout field to supplement daylight - pan across plot	13
B377	MCU	WHITE CLOVER TEST PLOT showing marked difference in number of blossoms on plants - Two men walk into scene and stoop to observe plants	16
B378	CU	WHITE CLOVER TEST PLOT showing marked difference in number of blossoms on plants	8
Scenes B379 through B389 - Field Inspection:			
B379	LS	PLOWED FIELD - Farmer and inspector enter from right and stop in center of field - inspector makes notes on clipboard	9
B380	LS	PLOWED FIELD - Continuation of B379 - trees and buildings in BG	23
B381	CU	Continuation of Scene B379 - Head and shoulder shot of farmer and inspector as latter makes notes	10
B382	CU	Same as B381	4
B383	MLS	GRAIN STUBBLE - Pan right across stubble field and plowed soil to show area around field to be certified - small trees in BG	18
B384	MLS	PASTURE - Farmer and inspector, pushing measuring wheel, approach and pass camera	16
B385	LS	CRIMSON CLOVER in bloom - Farmer and inspector walk into field from right	13
B386	LS	CRIMSON CLOVER in blossom - Continuation of Scene B385 - farmer and inspector walk toward camera	8
B387	MS	Continuation of B385 - Farmer and inspector approach camera	7
B388	CU	Continuation of B385 - Waist up shot of farmer and inspector as latter makes notes	4

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B389	CU	FORM - "Report of Field Inspection" on clipboard being filled out	4
Scenes B390 through B413 were made at the Seed Testing Laboratory, University of Oregon, Corvallis, Ore.:			
B390	MCU	PACKETS OF SEED being marked by woman, then laid out on a table - side view	6
B391	CU	Continuation of Scene B390 - Woman types instructions on card from seed packet - over shoulder shot	7
B392	MCU	WOMAN OPERATING SEED DIVIDER	4
B393	CU	SCALES - Hand empties cup of seed in scoop of scales, weighs and pours into manila envelope	5
B394	CU	WOMAN CHECKING PURITY OF GRASS SEED with magnifying glass - side view	7
B395	ECU	Same as B394 - Over shoulder shot	5
B396	MCU	WOMAN WEIGHS SMALL PORTION OF SEED in inclosed balance - Pours seed from balance pan into glass vial	24
B397	ECU	BALANCE PAN - Hand pours seed into pan - can cut with B396	3
B398	ECU	Same as B397	3
B400	MCU	WOMAN AT WORK TABLE places suction counter with seeds under magnifying glass - over shoulder shot	5
B401	CU	Continuation of Scene B400 - Hand with tweezers rearranges seed	7
B402	CU	GERMINATION CABINET - Woman enters from left and removes seeds - she is out of frame at 6 ft. - hold on cabinet 3 ft.	9
B403	CU	PETRI DISHES on tray being removed from cabinet - Can cut with B402	3
B404	CU	GERMINATED SEED in petri dishes on tray - no action	4

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B405	CU	PETRI DISH with germinated seed is placed on table - Hands remove cover, pick up tweezers and count seedlings	6
B406	CU	Continuation of B405 - Tweezers pick up several germinated seed	3
B407	MS	BLOTTER TEST - Woman lays out and marks blotter - pours alfalfa seed onto square suction counter, then onto the blotter and folds	30
B408	CU	ALFALFA SEED poured onto square suction seed counter	4
B409	CU	GERMINATION CABINET - Hand opens door, pulls out tray of blotter germination tests	7
B410	MCU	BLOTTER GERMINATION TESTS on table in FG - Woman picks up and unfolds blotter and counts germinated seed	8
B411	CU	GERMINATED SEED on blotter - Hand with tweezers counts seed	13
B412	CU	FORM - "Report of Purity Test of Seed" being filled out in typewriter	10
B413	CU	Same as B412	9
End of Seed Testing Laboratory shots, Corvallis, Ore.			
B414	MS	SEED PLANTER - Man cleaning dismantled seed hopper with compressed air, then reassembles - small tank of compressed air in left FG	24
B415	CU	SEED HOPPER - Same as in B414, being cleaned with compressed air - hand action	6
B416	ECU	SEED HOPPER being reassembled - Hand action	10
B417	MCU	SEED PLANTER - End view - hands enter and attach hopper to planter (Scenes B414, B415, B416 and B417 can be cut together)	10

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B418	MS	PREPARING SEED FOR PLANTING - Scales, tub and sack of seed on concrete slab - man enters, picks up seed and pours into tub	7
B419	CU	PREPARING SEED FOR PLANTING - Scales and can of fungicide - hand enters and places portion of fungicide onto scale	10
B420	CU	PREPARING SEED FOR PLANTING - Alfalfa seed being poured into tub - hand puts fungicide into seed and it is mixed with a short-handled hoe	12
B421	CU	PREPARING SEED FOR PLANTING - Inoculant is poured on seed and mixed with short-handled hoe	14
B422	CU	SEED being poured into hoppers on seeder	15
B423	MS	SEED being poured from sack into seed hopper - Planter attached to tractor	3
B424	CU	SEED pouring from sack into hopper	2½
B425	CU	CALIBRATING SEED PLANTER - Metal container under planter - cloth tied on rim of wheel to check rate of seed dropped as it rotates	11
B426	CU	CALIBRATING SEED PLANTER - Inside metal container showing seed dropping	7
B427	MS	SEED being poured into hoppers - Seed planter attached to tractor	14
B428	MS	SEED PLANTING - Planter pulled by Farmall tractor - pan right with tractor as it goes away from camera - low angle shot	8
B429	CU	SEED PLANTING - Wheel fills frame as tractor and planter go away from camera into MS	13
B430	LS	SEED PLANTING - Planter pulled by Farmall tractor comes to camera diagonally across frame - large clods of soil in FG	9

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B431	LS	ALFALFA about one foot high in rows - Very large field	9
B432	CU	ALFALFA - Grimms - yellowed by leafhopper	8
B433	CU	ALFALFA, WILD (Medicago falcata) in yellow blossom - Used extensively in breeding new varieties	8
B434	CU	Same as B433	8
B435	MCU	NARRAGANSETT ALFALFA in bloom - fills frame	10
B436	MS	Same as B435	10
B437	LS	NARRAGANSETT ALFALFA field in blossom - Two men walking to camera examine plants - mountains in BG	12
B438	LS	Same as B437 without men	10
B439	LS	ATLANTIC ALFALFA - Large field - plants about 22 inches high in rows - two men examine plants in BG	12
B440	MS	ATLANTIC ALFALFA in bloom - down shot	9
B441	CU	ALFALFA SEED PODS in hand	7
B442	ECU	ALFALFA SEED PODS showing heavy yield - hand as BG	2½
B443	ECU	Same as B442	5
B444	ECU	Same as B442 - Seed pods are turned in hand	10
B445	MCU	ALFALFA FIELD - County agent and farmer examine alfalfa at edge of cut swath - cut for forage	11
B446	MCU	Same as B445	9
B447	MCU	ALFALFA in rows for seed - Tractor-drawn root-cutting device comes by - man walks into frame and examines roots	22
B448	CU	ALFALFA PLANT showing cut root as it is turned in hand	6

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B449	MS	ALFALFA in rows for seed - Tractor-drawn root-cutting device passes diagonally across frame cutting roots of alfalfa	14
B450	MS	HARVESTING ALFALFA for hay - Tractor-drawn forage harvester approaches camera	8
B451	MS	Similar to B450 - Pan with harvester as it approaches camera - tilt up to delivery spout	22
B452	ECU	HARVESTING ALFALFA for hay - Alfalfa falls in front of camera as it is cut - mower goes into LS	9
B453	MS	HARVESTING ALFALFA for hay - Tractor-drawn mower comes to and past camera - Holstein cows in extreme BG	9
B454	CU	ALFALFA in blossom - Fills frame	9
B455	MLS	BALING ALFALFA - Hay baler approaches camera picking up dry alfalfa from windrows - machine enters scene in lower left corner and goes away dropping baled hay - pan left with baler as it comes into CU	28
B456	MS	ALFALFA, dry, in windrows - Tractor-drawn "hayhog" crosses FG - tilt up to blower as it passes - blue sky	10
B457	LS	CRIMSON CLOVER in bloom - Travel shot starting with trees in FG, moves across clover and ends on one tree - some trees and farm buildings in extreme BG	26
B458	LS	CRIMSON CLOVER in bloom - Travel shot across very large field - some trees in BG	33
B459	LS	CRIMSON CLOVER field in bloom - Cows in pasture, farm buildings in BG, high hills in extreme BG	6
B460	MS	LADINO CLOVER in bloom - Down shot fills frame	7
B461	CU	Same as B460	9

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B462	MCU	KENLIN RED CLOVER waving in breeze - Down shot, fills frame	8
B463	CU	Same as B462	6
B464	MS	KENLIN RED CLOVER in FG and extends into middle of frame - beehives in BG - wind blowing	6
B465	ECU	KENLIN RED CLOVER blossoms - Fills frame	10
B466	ECU	ALSIKE CLOVER blossoms - Fills frame	6
B467	CU	Same as B466	4
B468	MCU	BROME GRASS - Heads waving in breeze - fills frame - down shot	11
B469	MCU	Same as B468	12
B470	MS	Same as B468	7
B471	CU	BROME GRASS SEED HEADS against blue sky - Slight movement in breeze	9
B472	CU	Same as B471	9
B473	CU	BROME GRASS in plot - Shot from end of rows showing plants in seed - slight breeze	8
B474	MS	INTERMEDIATE WHEAT GRASS waving vigorously - down shot - fills frame	9
B475	MS	Same as B474	4
B476	CU	RUSSIAN WILD RYE seed heads against sky	7
B477	MS	PIPER SUDAN GRASS - Green - fills frame - down shot	4
B478	MS	PIPER SUDAN GRASS - Ripe - edge of cut swath showing full height of plants	5
B479	CU	PIPER SUDAN GRASS - Ripe - seed heads against blue sky	5
B480	MS	ROGUING - Three men and boy pulling rogues from large field of nearly ripe brome grass	8

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B481	MCU	ROGUING - Down shot on one man and boy in B480	6
B482	MCU	ROGUING - Two men pulling rogues from field of brome grass	6
B483	MLS	ROGUING - Six men with hoes roguing large field of creeping red fescue	8
B484	CU	Same as B483 - Down shot	6
B485	MLS	ROGUING - Same as B483	6
B486	LS	ROGUING - Two men enter large field of Kenlin red clover with shovels and remove rogues - snow-capped mountains in BG	13
B487	MLS	Down shot on B486	13
B488	MS	ROGUING - Two men using shovels to remove rogues from field - blossoms in FG - mountains in BG	7
B489	LS	ROGUING - Three men and boy pulling weeds from nearly ripe brome grass	7
B490	MS	ROGUING - Down shot on four women removing rogues with hoes from large field of alfalfa - women wearing bonnets, light shirts and blue dungarees	11
B491	MS	Same as B490 - a little closer	5
B492	MS	ROGUING - Same four women as in B490 - shot against sky	13
B493	LS	SPRAYING - Tractor-drawn boom spray moves diagonally across ladino clover field, L to R - trees and farm buildings in extreme BG	7
B494	LS	SPRAYING large field of alfalfa - tractor-drawn boom-type spray rig moves diagonally across camera - farm buildings and some trees in extreme BG	12
B495	LS	SPRAYING large field of alfalfa - tractor-drawn boom-type spray rig moving away from camera	10 $\frac{1}{2}$

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B496	MS	SPRAYING - Nurse truck in right FG at edge of alfalfa field - tractor-drawn spray rig approaches - pan with rig as it pulls along side of nurse truck	13
B497	CU	SPRAYING - Continuation of B496 - shot between spray rig and nurse truck. Man prepares to refill tank	8
B498	LS	AERIAL DUSTING large alfalfa field - Plane drops down at far edge of field - pan with plane as it moves diagonally across field toward camera spreading dust	12
B499	LS	AERIAL DUSTING large alfalfa field - Plane enters CU left side of frame - goes away from camera	9
B500	LS	AERIAL DUSTING - Same field as B498 - plane moving right angles to camera - pan to end of field and tilt up as plane rises to make turn	5
B501	LS	AERIAL DUSTING - Pan with plane as it swoops down and moves across field of alfalfa	5
B502	MLS	AERIAL DUSTING - Plane enters from left - pan right as it completes pass across field	5
B503	LS	AERIAL DUSTING - Plane comes diagonally across field to CU and goes out of frame	9
B504	LS	AERIAL DUSTING - Plane comes across field almost into camera - dust obliterates view	8
B505	LS	AERIAL DUSTING - Pan with plane as it dusts end of field, rises and turns away from camera	8
B506	LS	AERIAL DEFOLIATION SPRAYING of alfalfa - Plane comes from behind camera at left and moves into LS - building with red roof in BG	5
B507	LS	AERIAL DEFOLIATION SPRAYING - Plane comes ECU camera - same field as B506	3

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B508	LS	AERIAL DEFOLIATION SPRAYING - Plane moves diagonally from R to L across field from LS to CU - same field as B506	3
B510	LS	AERIAL DEFOLIATION SPRAYING - Plane goes away from camera - same field as B506	7
B511	LS	AERIAL DEFOLIATION SPRAYING - Plane comes to and past camera - same field as B506	6
B512	LS	AERIAL DEFOLIATION SPRAYING - Plane goes from CU diagonally across frame from camera to LS - same field as B506	5
B513	LS	AERIAL DEFOLIATION SPRAYING - Plane comes diagonally to camera - same field as B506	6
B514	LS	AERIAL DEFOLIATION SPRAYING - Plane comes into frame on left side and goes away from camera - same field as B506	6
B515	LS	AERIAL DEFOLIATION SPRAYING - Plane comes to camera, turns left out of frame - same field as B506	5
B516	LS	AERIAL DEFOLIATION SPRAYING - Plane comes across frame R to L - mountains in BG - same field as B506	9
B517	MLS	AERIAL DEFOLIATION SPRAYING - Plane comes across frame R to L - same field as B506	4
B518	MLS	AERIAL DEFOLIATION SPRAYING - Plane comes diagonally across frame R to L	4
B519	MS	DUSTING - Helicopter comes from over shoulder, goes into LS - fills frame with dust	5
B520	MS	DUSTING - Helicopter comes to camera	3
B522	MLS	DUSTING - Helicopter comes to and past camera	5
B523	LS	DUSTING - Helicopter comes CU to camera and passes overhead	4

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B524	MS	CLEANING COMBINE - Combine being backed out of shed - driver gets out and picks up bag of tools	20
B525	MS	CLEANING COMBINE - Same as B524, side view - one man working at lower end of elevator, another cleaning apron with broom	9
B526	MS	CLEANING COMBINE - Man sweeps apron with broom - picks up air hose and blows accumulated debris from apron	16
B527	CU	CLEANING COMBINE - Man enters with air hose and blows debris from bottom of elevator	10
B528	LS	GRASS IN SHOCKS for seed harvest - Shot across large field - mountains in BG	9
B529	MS	THRESHING GRASS SEED - Two men feeding thresher - large pile of straw and sacks of grass seed in BG - buckrake on auto chassis goes out of scene at left	7
B530	MS	THRESHING GRASS SEED - Two men feeding thresher - another sacking seed - pile of straw and sacks in BG - same thresher and location as in B529	7
B531	MS	THRESHING GRASS SEED - Two men feeding thresher - one man without shirt - same thresher and location as B530	4
B532	CU	THRESHING GRASS SEED - Grass feeding into thresher - same thresher and location as B529	4
B533	MS	COMBINING RYE GRASS from windrows - Red Massey Harris combine comes to camera - hills in BG	8
B534	MS	COMBINING RYE GRASS - Same as B533 - self-propelled Massey Harris combine - pan as it comes into CU to camera	10
B535	MCU	COMBINING RYE GRASS - Two tractor-drawn combines picking up rye grass from windrows approach camera - nearer one comes into ECU	13

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B536	CU	COMBINING RYE GRASS - Seed coming from delivery spout of combine - grain pouring toward camera	5
B537	MCU	Similar to B536, side view - Shot against blue sky	9
B538	MS	WILD RYE bundles being shocked by two men - Standing rye in FG waving in breeze	11
B539	MCU	WILD RYE - Russian wild rye heads waving in breeze - two binders approach camera diagonally across frame	15
B540	MS	COMBINING ORCHARD GRASS - Combine approaches camera picking up bundles of orchard grass - two men riding on front forking bundles onto pick-up attachment of combine as it comes diagonally MCU to camera	17
B541	MS	Same as B540 - Combine approaches camera head on	11
B542	MS	COMBINING ORCHARD GRASS - Down shot on bundle of grass as it is being forked onto pick-up attachment of combine - shot from moving combine	7
B543	MS	COMBINING ORCHARD GRASS - Two men forking bundles of orchard grass onto pick-up attachment of combine as it comes diagonally to ECU camera	6
B544	CU	COMBINING ORCHARD GRASS - Two men forking bundles onto pick-up attachment of combine as it comes to camera - action stops at 8 feet, hold on ECU bundles 2 feet	8
B545	CU	COMBINING ORCHARD GRASS - Combine comes into frame from left - bundles of grass are forked onto pick-up attachment of combine	4½
B546	CU	COMBINING ORCHARD GRASS - Bagged grass seed drops from combine to ground - camera tilts as combine goes away from camera	6

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B547	LS	COMBINING ALTA FESCUE in large field - Self-propelled combine comes to camera combining standing fescue - sacks of seed in FG	13
B548	MS	COMBINING ALTA FESCUE in large field - Sacked seed on right side of frame - self-propelled combine comes MCU to camera - same field and combine as in B547	8
B549	MS	COMBINING ALTA FESCUE - Up shot of self-propelled combine as it comes ECU to camera	16
B550	MS	BINDING ALTA FESCUE - Two girls shocking bundles of grass - tractor-drawn binder moves from R to L, pan as it passes in FG	8
B551	MLS	BINDING ALTA FESCUE - Tractor-drawn binder going across large field	7
B552	MS	SHOCKING BUNDLES OF ALTA FESCUE - Two girls and man walk away from camera and start another shock	9
B553	LS	BINDING ALTA FESCUE - Large field - standing grass in FG and BG, middle field in shocks - tractor-drawn binder passes R to L in middle of frame - mountains in extreme BG	10
B554	LS	Same as B553 - Binder farther away from camera	12
B555	MLS	MARION BLUE GRASS, Washington - Two self-propelled combines come to camera	8
B556	MCU	Same as B555	7
B557	CU	MILLET - Ripe heads against sky - Calif.	7
B558	ECU	Same as B557	8
B559	CU	MILLET HEADS without sheath	6
B560	MS	COMBINING MILLET - Self-propelled combine comes to camera into ECU - man sacking seed	31

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B561	MS	COMBINING MILLET - Self-propelled combine comes to camera - mountains in BG	26
B562	CU	COMBINING MILLET - Pan with cradle as combine turns	5
B563	MS	COMBINING MILLET - Front part of self-propelled combine goes away from camera - pan to rear to see chaff falling	12
B564	MLS	COMBINING MILLET - Self-propelled combine - pan as it goes across field from R to L - mountains in BG	19
B565	CU	COMBINING MILLET - Cradle of combine approaches camera diagonally across field - camera holds and combine wipes the scene	17
B566	MS	COMBINING MILLET - Pan with self-propelled combine as sacks are dropped from sack slide - pan to front of combine	12
B567	MS	COMBINING SUDAN GRASS, California - Self-propelled combine comes diagonally across field picking up grass from windrows	12
B568	ECU	COMBINING SUDAN GRASS - Pick-up device on self-propelled combine in operation	7
B569	CU	Same as B568 - Tilt up to operator	12
B570	MS	COMBINING SUDAN GRASS - Seed from combine being transferred to hopper on truck	5
B571	MS	COMBINING SUDAN GRASS - Self-propelled combine moving diagonally across field picking up grass from windrows - driver's platform heavily shaded by canopy - mountains in BG	12
B572	MS	COMBINING SUDAN GRASS - Side view of self-propelled combine dumping sacks of seed	8
B573	MCU	COMBINING SUDAN GRASS - Pick-up device on self-propelled combine picking up grass from windrows - tilt up to driver and man sewing a sack - faces shaded by canopy	22

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B574	MLS	MOWING ALFALFA - Mower comes to CU camera	10
B575	MLS	MOWING ALFALFA - Similar to B574 - same field	7
B576	MS	COMBINING ALFALFA in large field - Combine comes diagonally toward camera - high shot	12
B577	MCU	COMBINING ALFALFA - Combine comes to camera - alfalfa standing in FG	13
B578	LS	COMBINING ALFALFA - Slightly rolling country - farm buildings in BG	8
B579	MLS	Same as B578 - Prettier	8
B580	CU	COMBINING ALFALFA - Seed falling into hopper of combine - down shot - yellow seeds fill frame	4
B581	CU	Same as B580	7
B582	MS	ALFALFA SEED as they come from delivery spout of combine into metal boxes on truck bed - shot against blue sky	3
B583	MS	Same as B582 - Seed stops pouring at 2 ft.	4
B584	MS	COMBINING LADINO CLOVER - Combine, rebuilt especially to harvest legume seed, comes diagonally across frame from L to R	5
B585	CU	Same as B584 - Low angle shot - can see more clover in FG	8
B586	MCU	COMBINING LADINO CLOVER - Same machine as in B584 comes diagonally toward camera - two men at rear of machine	7
B587	MCU	Same as B586	4
B588	MS	COMBINING LADINO CLOVER - Same machine as B584 comes to camera - truck pulls along side and hopper on top of combine drops seed into truck - small dog walks across FG	15
B589	MS	CRIMSON CLOVER field - Ripe	8

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B590	CU	CRIMSON CLOVER - Ripe heads waving in breeze	3
B591	CU	Same as B590	4
B592	CU	CRIMSON CLOVER - Ripe seed heads being examines by hands	5
B593	MS	CRIMSON CLOVER - Two tractors with cutter bars harvesting ripe clover - tractors go across field from R to L	8
B594	CU	CRIMSON CLOVER - Tractor wheel and cutter bar come into view - camera pans with cutter bar	7
B595	LS	CRIMSON CLOVER - Mower and windrower going away from camera cutting ripe clover - medium size field - trees in BG	6
B596	CU	CRIMSON CLOVER field - Mower and windrower pass ECU to camera R to L	9
B597	LS	CRIMSON CLOVER - Windrower comes diagonally toward camera from R to L into CU	14
B598	ECU	CRIMSON CLOVER - Same as B597 - down shot to show clover being raked	8
B599	MLS	CRIMSON CLOVER - Ripe - two tractor-drawn windrowers pass in field - pan left with one as it turns into ECU	10
B600	LS	CRIMSON CLOVER - Ripe - windrower goes away from camera to top of small hill	10
B601	MS	BERMUDA GRASS - Tractor-drawn field cultivator digging coastal bermuda grass - pan with it as it comes diagonally to and past camera	11
B602	MS	BERMUDA GRASS - Tractor-drawn field cultivator moves from R to L and into LS away from camera	12 $\frac{1}{2}$
B603	MS	BERMUDA GRASS - Two rakes moving diagonally across field raking grass into windrows - pan with second one as it comes into CU and rake is raised to make turn - considerable dust	20

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B604	MS	Same as B603, one machine only - rake is raised and machine turns away from camera - trees and buildings in BG	9
B605	MS	Same as B603 - Rake goes diagonally away from camera from L to R - lots of dust - trees and house in BG	6
B606	CU	BERMUDA GRASS - Hand picks up sprigs and pulls apart	9
B607	MS	BERMUDA GRASS being loaded with hay loader - Pan with truck and loader as they move R to L across field	4
B608	MLS	BERMUDA GRASS sprigs - Pump on edge of stream of water - truck loaded with bermuda sprigs enters from right and pulls along side of pump - driver hands hose to man on top of truck	12
B609	MCU	Continuation of B608 - One man starts pump - man on top of truck waters sprigs	10
B610	CU	Continuation of B609 - Up shot of man watering bermuda sprigs on truck	8
B611	MS	BERMUDA GRASS sprigs being put into sacks - Man enters and holds sack which is marked "Georgia certified seed"	11
B612	CU	Continuation of B611 - Sack being packed and sewed - hand action only	13

PROCESSING AND HANDLING GRASS SEED

B613	MCU	RETHRESHING GRASS SEED - Thresher on paved area - man, without shirt, shovels seed into hopper - down shot	8
B614	CU	Same as B613 - Action continues	14
B615	CU	GRASS SEED fills frame - Shovel enters and scoops up seed	4
B616	CU	GRASS SEED pouring from delivery spout of rethresher into wooden box - Hand enters and spreads seed	6½

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B617	MS	MOVING BULK SEED - Man operating fork lift moves box of seed from rethresher to row of boxes	10
B618	MS	SACKING SEED - Three men in open lot shovel grass seed into burlap sacks while a fourth man sews sacks by hand - street traffic and cars in BG	12
B619	MCU	SACKING SEED - Same action as in B618, different angle - man sewing sacks in FG, throws sack of seed over shoulder toward camera - parking lot and buildings in BG	9
B620	MS	BULK SEED IN BOXES being moved - Man operating fork lift backs away from rethresher with box of seed, then moves forward toward camera to bring box into ECU	13
B621	MS	MOVING BULK SEED IN BOXES - Man operating fork lift moves three boxes of seed from trailer and moves them toward camera up ramp into building - enters shaded area on ramp	14
B622	MCU	STACKS OF BOXES filled with seed in warehouse - Fork lift enters from right and deposits two more boxes	8
B623	MCU	Continuation of above action - Fork lift backs out of scene	8
B624	CU	CLEANING SEED - Down shot on scalper - man walks through FG, R to L, pauses to check machine	11
B625	CU	CLEANING SEED - Seed agitated on scalper	5
B626	MS	MOVING BULK SEED - Shot through door of building, man in left FG - trailer loaded with large boxes of bulk seed can be seen through doorway - fork lift moves into scene and picks up one box of seed	14
B627	MS	MOVING BULK SEED - Metal seed boxes on trailer - fork lift enters from right, picks up box, backs away, then brings box into ECU	13

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B628	MCU	ALFALFA SEED falling into hopper of gravity separator - Seed fills frame	8
B629	CU	Same as B628	7
B630	MS	Same as B628	8
B631	MS	ALFALFA SEED on gravity separator	4
B632	MCU	Same as B631	8
B633	MCU	ALFALFA SEED dropping from gravity separator	3½
B634	CU	Same as B633	3
B635	CU	ALFALFA SEED dropping from separator into funnel	5
B636	CU	ALFALFA SEED entering gravity separator	4
B637	MCU	CLIPPER SEED CLEANER, side view - Man walks through scene inspecting machine	16
B638	CU	ALFALFA SEED falling into funnel from Clipper cleaner	7
B639	CU	ALFALFA SEED dropping through screen of Clipper cleaner	7
B640	ECU	ALFALFA SEED coming from Dodder Mill - Shot from end of roller	8
B641	MS	SEED SACKING MACHINE - Man checks sacks	6
B642	CU	TOP OF SACK FILLED WITH SEED - Hand inserts blue tag and sews cloth sack with portable machine	7
B643	MS	SEWING TOP OF BURLAP SACK with portable machine - Man picks up sack and moves it toward camera	10
B644	MCU	SACKING MACHINE - Man removes filled sack toward camera and sews sack with portable machine - moves sack into ECU	14
B645	MCU	SEED INSPECTION - Inspector beside large pile of burlap sacks filled with seed takes sample from one bag	4

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B646	MCU	Same as B645	3½
B647	CU	SEED INSPECTION - Hand extracting sample of seed from burlap bag - places seed in manila envelope	3
B648	CU	CERTIFIED SEED TAG - Man attaching blue tag to burlap bags of seed	11
B649	CU	CERTIFIED SEED TAG - Blue tag, "Brome Grass, Manchac Smooth" and seal being attached to bag of seed	6
B650	CU	BLUE TAG AND SEAL - Hand points out variety and holds seal for reading - "Good Seed - Better Crops"	6
B651	ECU	SEAL "Good Seed - Better Crops" held in hand	3
B652	ECU	Same as B651	5
B653	CU	CERTIFICATE for seed being made out - Hand action	8
B653a	MCU	LOADING SEED - Double flat-bedded trailer partially loaded with sacked seed - fork lift enters with pallet of sacks, places them on truck and backs out of scene	11
B655	MS	LOADING SEED - Fork lift loaded with sacks of seed comes to rear of covered trailer truck - man standing in back of truck unloads sacks	11
B656	CU	Same truck as in B655 loaded with sacked seed - Man closes door	14
<u>CATTLE</u>			
B657	MS	WHITE-FACED COWS standing on sparse desert range, partially hidden in brush	4
B658	MCU	WHITE-FACED CATTLE (approximately 15) standing on very sparse desert range	7
B659	MLS	WHITE-FACED CATTLE (three) standing on sparse desert range	4

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B660	MCU	WHITE-FACED CATTLE in crimson clover pasture - Bare spots in FG - cattle walk across frame - some stop and look at camera	9
B661	LS	HOLSTEIN CATTLE walking and running in piper sudan grass - few trees in BG	6
B662	LS	Same as B661 - Slightly different angle	6
B663	MS	HOLSTEIN CATTLE (about 12) in tall piper sudan pasture	9
B664	MCU	Same as B663	6
B665	MCU	Down shot on B663	8
B666	MCU	HOLSTEIN CATTLE grazing in tall piper sudan pasture - Sparse vegetation with trees in rolling BG	5
B667	CU	HOLSTEIN CATTLE - Four grazing in tall piper sudan grass - down shot	4
B668	MS	HOLSTEIN CATTLE entering a "ration-a-day" alfalfa pasture - Pan slightly as cattle run to alfalfa	15
B669	MS	Continuation of B668 - FG shows where cattle grazed the day before - all cows are in upper half of frame in today's ration - down shot	5
B670	MS	HOLSTEIN COWS in "ration-a-day" alfalfa pasture - Pan left across herd - "Ration-a-day" plan of pasture is very evident	18
B671	CU	HOLSTEIN COW - Head shot - grazing on lush clover and grass pasture - pan with head to reveal other portions of body	8
B672	CU	HOLSTEIN COW - Head shot - grazing on good clover and grass pasture	8
B673	MCU	HOLSTEIN CATTLE being fed green forage - Down shot as forage is dumped into long concrete trough from mechanical unloader - tilt up as truck moves away from camera distributing forage - cattle in pen eat as forage is dropped	26

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B674	MCU	Same as B673	6
B675	CU	HOLSTEIN COWS (six) eating forage - Can cut with B673 and B674	5
B676	ECU	HOLSTEIN COWS - Head shot of two eating green forage - can cut with B673, B674, B675	4
B677	MS	JERSEY COWS entering "ration-a-day" alfalfa pasture from L to R across frame	14
B678	MCU	JERSEY COWS grazing on "ration-a-day" lush alfalfa pasture	7
B679	MCU	Same as B678, except electric fence to separate pastures can be seen in FG	4
B680	MS	Same as B679	6
B681	MLS	JERSEY CATTLE grazing on crimson clover pasture in pecan orchard - Long pan R to L - some clover in blossom	16
B682	MS	JERSEY COWS - Three grazing on crimson clover in pecan orchard	6
<u>SHEEP</u>			
B683	LS	FLOCK OF SHEEP grazing on mountain pasture	4
B684	MS	Same as B683	5
B685	MLS	FLOCK OF SHEEP moving across mountain pasture - down shot	5
B686	MLS	FLOCK OF SHEEP bunched closely together on mountain pasture - down shot	6
B687	MCU	FLOCK OF SHEEP grazing on mountain pasture - down shot	6
B688	MS	Same as B687	7
B689	MCU	FLOCK OF SHEEP in B687 (about 34) grazing on mountain pasture - down shot	3
B690	MS	FLOCK OF SHEEP grazing on mountain pasture - down shot	4

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B691	CU	SHEEP - Down shot on five sheep grazing on mountain pasture	5
B692	MS	SHEEP grazing on irrigated pasture - Farm buildings in BG - irrigation system not visible	4
<u>DAMS</u>			
B693	CU	GRAND COULEE DAM showing heavy flow of water - Diagonal shot from west end	11
B694	CU	GRAND COULEE DAM - Same as B693	10
B695	MCU	GRAND COULEE DAM - Shot from east end	12
B696	MS	GRAND COULEE DAM - Same as B695	12
B697	MCU	GRAND COULEE DAM - Same as B695	8
B698	MS	GRAND COULEE DAM - Shot from east end and slightly above lake water level	12
B699	MLS	GRAND COULEE DAM - Same as B698	8
B700	MS	GRAND COULEE DAM - High shot from west side above dam showing supply pipes in FG for irrigation project	8
B701	MCU	GRAND COULEE DAM - Same as B700 except more pipes can be seen in FG	7
B702	CU	GRAND COULEE DAM - Supply pipes for irrigation fill FG - lake and top of dam in BG	11
B703	MS	GRAND COULEE DAM - Down shot showing surface and lake overflow and highway across dam - pan right across dark surface of lake along supply pipes to control house	12
B704	MS	Similar to B703 - Shot with wide angle lens	11
B705	MS	GRAND COULEE IRRIGATION DITCH, concrete-lined - Reflection of blue sky in water	6

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B706	MS	GRAND COULEE IRRIGATION equalization ditch - Water flowing through ditch - down shot	6
B707	MLS	HOOVER DAM shot from hilltop showing lower side of dam - Mountains in BG	6
B708	LS	SHASTA DAM - Trees in FG, mountains in BG - no water flowing over dam	9
B709	MS	SHASTA DAM - Same as B708	6
B710	MCU	SHASTA DAM - Center portion - shot from below dam - no water flowing over dam	4

PREPARING LAND FOR IRRIGATION

B711	MS	LANDPLANE - Tractor-drawn - moving diagonally across very large field R to L to camera	5
B712	MS	LANDPLANE - CU of scraper at center of equipment - pan toward front as it completes turn and moves away from camera	24
B713	CU	LANDPLANE - Scraper moves into CU and rear wheel passes - tractor-drawn subsoiler comes into scene from right and goes into MLS	25
B714	ECU	SUBSOILER - Tractor-drawn - passes in front of camera from R to L and comes into CU - pan with equipment as it moves from camera	6
B715	LS	LAND-LEVELING OPERATION - Pan with earth-moving equipment as it moves diagonally into MCU	16
B716	MS	LAND-LEVELING OPERATION - Tractor-drawn earth-moving equipment passes diagonally across camera range from R to L	9
B717	LS	LAND-LEVELING OPERATION - Earth-moving equipment comes toward camera and obscures another machine going in the opposite direction - pan with equipment as it comes into ECU and is obscured by dust	12

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
<u>IRRIGATION</u>			
B718	CU	IRRIGATION - Rear view of tractor equipment as it goes away from camera cleaning corrugations between rows of alfalfa for irrigation - blue sky, white clouds	16
B719	MS	IRRIGATION - Water flowing into standing pipe - Pump in middle of scene - man climbs ladder against pipe and turns valve, walks out of picture - alfalfa in BG	12
B720	MS	IRRIGATION - Man opening irrigation valve in pot with key - alfalfa in BG	5
B721	MS	Continuation of B720 - Man lifts key out and walks out of scene - alfalfa in BG	8
B722	CU	IRRIGATION - Water flowing from pot - key is lifted out - several bees flying around pot	8
B723	CU	IRRIGATION - Water flowing from irrigation pot	5
B724	MS	IRRIGATION - Man laying canvas dam in irrigation ditch - irrigated alfalfa pasture in BG	11
B725	MS	IRRIGATION DITCH being cleaned out by same man as in B724 - he is using shovel	7
B726	MS	IRRIGATION DITCH - Two men placing siphons along ditch, away from camera - clover in BG, beehives in extreme BG	4
B727	MS	Same as B726 except men are working toward camera	16
B728	LS	IRRIGATION - Irrigated pasture with Hereford cows in extreme BG - portion of main ditch with gate in FG - lateral ditch goes diagonally from camera - hills in BG	5
B729	MLS	IRRIGATION - Same pasture as in B728 - valve and bank of main ditch in FG - Hereford cattle in pasture	8

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B730	MS	IRRIGATION - Irrigated pasture - main ditch in FG goes diagonally away from camera - cattle grazing in middle BG - hills in BG, blue sky reflecting in water	7
B731	MLS	IRRIGATION - Irrigated pasture with Hereford cattle in extreme BG - portion of main ditch with gate in FG - lateral ditch goes diagonally away from camera	7
B732	MLS	IRRIGATION - Irrigated pasture with main ditch in FG goes diagonally away from camera - cattle grazing on pasture - blue sky reflecting in water	10
B733	LS	IRRIGATION - Spray type system in operation in large field of grass for seed crop - valve and pipe in FG - mountains in BG, blue sky with white clouds	10
B734	MLS	IRRIGATION - Spray system in operation on wheels running diagonally across very large field of Kenlin clover	9
B735	MCU	Same as B734 - Down shot	7
B736	MS	Same as B734 - Low angle shot - valve in middle FG - clover blossoms in FG	13
B737	LS	IRRIGATION - Very large field of Kenlin Red clover in blossom - spray type irrigation system in operation in BG	6
B738	LS	Same field as B737 - Sprayers go from middle of frame to BG	8
B739	LS	IRRIGATION - Field of grass with spray irrigation system in operation - goes diagonally from FG to BG	8

BEEES

B740	LS	HONEY BEES - Shot across large field of alfalfa in bloom - several beehives in middle of frame to BG - two men unloading hives from truck by hand	11
B741	MS	Same as B740 - Unloading beehives	9
B742	MS	Same as B740	13

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B743	MCU	Same as B740	13
B744	MLS	Same as B740	5
B745	MS	Same as B740	11
B746	MS	HONEY BEES - Eight beehives in large field of Ladino clover in blossom	5
B747	MS	Same as B746	5
B748	MS	Same as B746	7
B749	MCU	HONEY BEES - Beehives being unloaded in alfalfa field from truck with a boom which is a one-man operation	7
B750	CU	Same action continued as in B749	7
B751	MCU	Continuation of B749	11½
B752	MS	HONEY BEES - Approximately 20 stacks of beehives in two rows - trees on left of frame - light clouds in sky - no crop or activity evident	8
B753	MS	Same as B752	9
B754	MS	Same as B752 - different angle - dark BG	6
B755	CU	Same as B752 - Only seven stacks can be seen	8
B756	CU	HONEY BEES - Base of beehive in Ladino clover - bees swarming at entrance of hive	6
B757	ECU	Same as B756	3
B758	ECU	Same as B756	8
B759	ECU	HONEY BEES entering and leaving hive	7
B760	ECU	Same as B759	7
B761	ECU	Same as B759	7
B762	ECU	Same as B759	8
B763	CU	HONEY BEE on spike of white sweet clover - shot against blue sky, bee leaves at 6 ft.	7

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B764	MCU	HONEY BEE on spike of clover - Two other spikes slightly out of focus in frame - shot against blue sky	6
B765	MCU	HONEY BEE on pink alfalfa blossom	3
B766	MCU	HONEY BEE - Same as B765	4
B767	LS	ALKALI BEES in flight over colony	5
B768	MCU	ALKALI BEE BURROWS - Bees hovering over burrows	4
B769	CU	ALKALI BEE COLONY - Bees hovering over burrows	7
B770	MCU	ALKALI BEES - One bee emerges from burrow - turns around and reenters at 1 ft. - hold on burrow for 2 ft.	3
B771	CU	ALKALI BEE BURROWS - Bee alights and enters burrow - disappears at 1 ft.	3
B772	CU	ALKALI BEE BURROWS - Bee hovers over burrow but does not alight	8
B773	MCU	ALKALI BEE BURROWS - Several bees hovering	3
B774	CU	ALKALI BEE BURROWS - Same as B773	6
B775	CU	ALKALI BEE COLONY - Sparse vegetation - several bees hovering - three alight and enter burrows	8
B776	MS	ALKALI BEE COLONY - Several bees active over burrows	11
B777	MCU	ALKALI BEE COLONY - Portion cut away - hand with knife cuts more away to reveal inside burrows	8
B778	CU	Same as B777 - Knife blade enters and points out pollen ball with larva attached - knocks out ball	4
B779	CU	Same as B777 - Larger area cut away - knife points out larva on pollen ball	8

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B780	CU	Same as B777 - Shows larva on pollen ball, as a second larva is shown on partly consumed pollen ball	4
B781	CU	Similar to B777 - Large larva on partially consumed pollen ball	5
B782	CU	ALKALI BEE digging burrow	4
B783	CU	ALKALI BEE emerging from burrow - Surveys situation and retreats	3
B784	CU	Same as B783	5
B785	CU	ALKALI BEE on red clover blossom	3
B786	MS	ALKALI BEE moves from one clover blossom to another - Green leaves as BG	4
B787	MS	Same as B786	3
<u>MISCELLANEOUS</u>			
B788	MLS	PERIOD SHOT - Man wearing buckskin jacket and fur cap plants small plot - goes L to R making holes with stick and dropping seed - shot between two log cabins, framed by large trees	23
B789	MS	Same as B788	22
B790	CU	PERIOD SHOT - Same man and action as in B788 - Shot against blue sky, waist up	14
B791	MLS	PERIOD SHOT - Farmer plowing with a two-horse plow turning soil - goes from R to L across frame - shot against sky - farmer has beard	8½
B792	CU	Similar to B791 - Passes diagonally across frame from R to L - CU of sod being turned	6
B793	MS	Similar to B791 - Farmer plowing goes across frame from R to L - dog comes into picture last few frames - shot against sky	7
B794	MS	Same as B793, except dog is not in frame	9

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B795	MS	PERIOD SHOT - Same farmer and field as B793 - plowing from R to L - two dogs in scene	10
B796	MS	PERIOD SHOT - Man in buckskin jacket and fur cap chopping tree with ax - dense forest	8
B797	MS	Same as B796	11
B798	MCU	Same as B796	14
B799	MCU	PERIOD SHOT - Man in B796 chopping log	9
B800	MCU	Same as B799	11
B801	LS	DARK CLOUDY SKY - Pan down to dark FG	8
B802	LS	DARK STORMY SKY - Dark FG - mountains in BG	7
B803	LS	RED SUNSET - Dark FG - shot from moving car	23
B804	MS	PASTURE - One side shows grazed pasture, other shows ungrazed - farmer walks to camera	7
B805	MCU	PASTURE - Farmer drives stake and connects electric wire to divide grazed and ungrazed pasture	7
B806	MS	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes to camera and makes right turn in front of camera - goes to center of frame - woods surround three sides of field	11
B807	MS	Continuation of B806 - Plow goes away from camera	10
B808	CU	Continuation of B807 - Plow comes to and past camera L to R - tilt down to see sod being turned	11
B809	MLS	TURNING UNDER GREEN MANURE - Tractor-drawn plow goes diagonally away from camera from R to L - farm buildings and white silo in BG	8

Scenes from USDA Prod. #1181
BETTER SEEDS FOR BETTER GRASSLANDS

<u>Scene No.</u>		<u>Description</u>	<u>Footage</u>
B810	MS	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes to camera	10
B811	MS	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes to and past camera L to R - tilt down to see sod being turned	17
B812	CU	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes to and turns in front of camera L to R - tilt down to see plow turning sod - tilt back up to entire plow	12
B813	CU	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes into frame from behind camera and goes into MS - plow makes first turn of sod in field of crimson clover	11

